

1. COMPONENT  ANG	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE  MAR 4, 2009	
3. INSTALLATION AND LOCATION ATLANTIC CITY INTERNATIONAL AIRPORT, NEW JERSEY			4. PROJECT TITLE CONSTRUCT ARM AND DISARM APRONS	
5. PROGRAM ELEMENT  55296F	6. CATEGORY CODE  116-661	7. PROJECT NUMBER  AQRC029147	8. PROJECT COST(\$000)  \$4,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ARM AND DISARM APRONS	SY	16,250		2,730
APRON AREA	SY	13,000	185	( 2,405)
APRON SHOULDER AREA	SY	3,250	100	( 325)
SUPPORTING FACILITIES	LS			1,136
UTILITIES	LS			( 100)
AIRFIELD LIGHTS	LS			( 200)
SITE IMPROVEMENTS (INCLUDE EARTH BERM)	LS			( 650)
DRAINAGE IMPROVEMENTS	LS			( 186)
SUBTOTAL				3,866
CONTINGENCY (5%)				193
TOTAL CONTRACT COST				4,059
SUPERVISION, INSPECTION AND OVERHEAD (6%)				244
TOTAL REQUEST				4,303
TOTAL REQUEST (ROUNDED)				4,300
10. Description of Proposed Construction: Construct two arm and disarm aprons modeled to support the generic fighter aircraft package and used by Atlantic City's F-16s. Aprons are concrete. Construction to include shoulders, taxiway lighting, required earth berms and proper drainage.				
11. REQUIREMENT: 16,250 SY ADEQUATE: 0 SY SUBSTANDARD: 0 SY <u>PROJECT:</u> Arm and Disarm Aprons - (Current Mission) <u>REQUIREMENT:</u> The 177th Fighter Wing (FW) requires properly sized and configured pavement surfaces at each end of the runway that support the arming and disarming of aircraft. These aprons will also be used for final check and inspection of aircraft before takeoff and to make the weapons safe after returning to the base. This work will eliminate this long-standing deficiency to mission requirements. The 177th FW mission supports a PAA of 18 F-16 aircraft. <u>CURRENT SITUATION:</u> The Fighter Wing is located on a commercial airport and the wing's F-16 squadron has converted from air defense only to a general-purpose fighter mission with an air to air and an air to ground mission. Arm/disarm pads do not exist at either end of the runway. The lack of such areas for arming/disarming fighter aircraft requires this action to be accomplished on the parallel taxiways, which blocks the taxiway and creates a hazardous condition for commercial airlines. The alternative is to taxi munitions-loaded aircraft down the taxiway exposing the airport to a potential hazard. An arm/disarm pad on each end of the runway will eliminate the need to taxi armed aircraft with the use of a unidirectional landing restriction. <u>IMPACT IF NOT PROVIDED:</u> Operations cannot be performed in compliance with prescribed safety regulations and procedures. Unable to properly arm and disarm the aircraft. Unnecessary risk to military and commercial aircraft, airport facilities, and military and civilian personnel. Continued arming and disarming of fighter aircraft on the parallel taxiway has unsafe adverse impacts on the unit assigned mission. Accept risk of a mishap causing harm/injury to civilian personnel and facilities with extreme liability for the Air Force. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. This project is in conformance with the approved master plan and meets safety requirements. This facility can be used by				

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other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements.		
<div>APRON AREA</div> <div>APRON SHOULDER AREA</div> <div>13,000 SY = 10,869 SM</div> <div>3,250 SY = 2,717 SM</div>		